



CAFES PDF 417 Bar Code Record Positional Layout X12



Notes:

Version: 02

As the data elements are variable length, delimiters are used to separate data elements and control segments. The ANSI ASC X12 format does not define any specific characters to be used as delimiters. Delimiters are instead defined for each interchange by their first use in the interchange start (ISA) segment. The asterisk (*) is the preferred data element separator, but is not required. NL (line or carriage return) is preferred as the data control segment terminator. The only constraint on the choice of delimiter character is that they are not to be used elsewhere in an interchange. Neither Data Element Separators nor Control Segment Separators are shown here.

***** BAR CODE TEXTUAL DATA MUST BE UPPERCASE CHARACTERS *****

Class Codes:

AN - Alphanumeric (Letter or Blank)
DT - Date (CCYYMMDD or YYMMDD)
ID - Identifier
N - Numeric
N0 - Numeric with Number of Decimal Positions
R - Decimal Number
TM - Time (HHMM or HHMMSS)

Status Codes:

C - Conditional
M - Mandatory
O - Optional
X - Paired with Another Element

PDF 417 Barcode format for CF-7512 adapted from Chapter 6 "EDI Control Segments and Control Variables" dated July 1997 for Rail/Customs Industry Applications for ANSI ASC X12.

This Draft contains the format and establishes the data contents of the Customs Manifest Transaction Set (309) for use within the context of an Electronic Data Interchange (EDI) environment as adapted to a PDF 417 2-D Bar Code.

******* Additional CAFES Record Formatting Instructions *******

Each CAFES record format (CAMIR, QP, or X12) must be enclosed within the ANSI PDF 417 Bar Code Enveloping Structure as defined in:

ANSI MH10.8.3M-1996

American National Standard for Material Handling ...

Two-Dimensional Symbols With Unit Loads and Transport

Packages

Pages 6-10 and 52.

ANSI PDF 417 Bar Code Envelope (for CAFES)

Message Header String: "[>" followed by ASCII decimal character 30

Format Header-Free Form Text Indicator: "07"

CAFES Bar Code Identifier: "&"

2-digit Version Number here (leading zero is required).

[Place CAFES CAMIR, QP, or X12 message here!]

Format Trailer (Record Separator) Character: ASCII decimal character 30

Message Trailer (End Of Transmission) Character: ASCII decimal character 4

Ref. Des./Data Element Nam	Attributes			DESCRIPTION - X12
	min/max	Class	Status	
Control Segment: ISA (Interchange Control Header) *** Mandatory ***				
Control Segment Identifier	3 / 3	ID	M	Must always equal ISA.
ISA01: Authorization Information Qualifier	2 / 2	ID	M	Must equal '00'. Code to identify the type of information in the Authorization information.
ISA02: Authorization Information	10 / 10	AN	M	Must equal 'SW309'. Information used for additional identification or authorization of the sender or the data in the interchange. The type of information is set by the Authorization Information Qualifier.
ISA03: Security Information Qualifier	2 / 2	ID	M	Must equal '00'. Code to identify the type of information in the Security Information.
ISA04: Security Information	10 / 10	AN	M	Must be space filled. This is used for identifying the security information about the sender or the data in the interchange. The type of information is set by the Security Information Qualifier.
ISA05: Interchange ID Qualifier	2 / 2	ID	M	Must equal 'ZZ'. Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified.
ISA06: Interchange Sender ID	15 / 15	ID	M	Must equal 'USCSCAFES'. Identification code published by the sender for other parties to use as the receiver ID to route data to them. The sender always codes this number in the sender ID element.
ISA07: Interchange ID Qualifier	2 / 2	ID	M	Must equal 'ZZ'. Qualifier to designate the system/method of code structure used to designate the sender or receiver element being qualified.
ISA08: Interchange Receiver ID	15 / 15	ID	M	Must equal 'USCSCAFES'. Identification code published by the receiver of the data. When sending, it is used by the sender as their sending ID, thus other parties sending to them will use this as a receiving ID to route data to them.
ISA09: Interchange Date	6 / 6	DT	M	Date of the interchange. Use current date formatted YYMMDD.
ISA10: Interchange Time	4 / 4	TM	M	Time of the interchange. Use current time formatted as HHMM.

Ref. Des./Data Element Nam	Attributes			DESCRIPTION - X12
	min/max	Class	Status	
ISA11: Interchange Control Standards Identifier	1 / 1	ID	M	Must equal 'U'. Code to identify the agency responsible for the control standard used by the message that is enclosed by the interchange header and trailer.
ISA12: Interchange Control Version Number	5 / 5	ID	M	Must equal '00401'. This version number covers the interchange control segments and the functional group control segments.
ISA13: Interchange Control Number	9 / 9	N0	M	Must equal '000000001'. This number uniquely identifies the interchange data to the sender. It is assigned by the sender. Together with the sender ID it uniquely identifies the interchange data to the receiver.
ISA14: Acknowledgement Requested	1 / 1	ID	M	Must equal '0'. Code sent by the sender to request an interchange acknowledgment.
ISA15: Test Indicator	1 / 1	ID	M	Must equal 'P'. Code to indicate whether data enclosed by this interchange envelope is test (T) or production (P).
ISA16: Subelement Separator	1 / 1	AN	M	Use ":". This is a field reserved for future expansion in separating data element subgroups.

Ref. Des./Data Element Nam	Attributes			DESCRIPTION - X12
	min/max	Class	Status	
Control Segment:	GS(Functional Group Header) *** Mandatory ***			
Control Segment Identifier	2 / 2	ID	M	Must always equal GS.
GS01: Functional Identifier Code	2 / 2	ID	M	Must equal 'SO'. Code identifying a group of application related Transaction Sets.
GS02: Application Sender's Code	2 / 7	AN	M	Must equal M1001 (SCAC of Importing Carrier). Code identifying party sending transmission. Codes agreed to by trading partners.
GS03: Application Receiver's Code	2 / 7	AN	M	Must equal 'USCP'. Code identifying party receiving transmission. Codes agreed to by trading partners.
GS04: Date	6 / 6	DT	M	Date (YYMMDD) sender generated a functional group of transaction sets. Use current date.
GS05: Time	4 / 4	TM	M	Time (HHMM) when the sender generated a functional group of transaction sets (local time at sender's location). Use current time.
GS06: Group Control Number	1 / 9	NO	M	Must equal '1'. Assigned number originated and maintained by the sender. Must equal GE02.
GS07: Responsible Agency Code	1 / 2	ID	M	Must equal 'X'. Code used in conjunction with Data Element 480 to identify the issuer of the standard.
GS08: Version/Release/Industry ID Code	1 / 12	ID	M	Must equal '004010'. Code indicating the EDI standard being used. Positions 1-3, version number; positions 4-6, release and subrelease level of version; positions 7-12, industry or trade association identifier (optionally assigned by user).
Control Segment:	ST(Transaction Set Header) *** Mandatory ***			
Control Segment Identifier	2 / 2	ID	M	Must always equal ST.
ST01: Transaction Set Identifier Code	3 / 3	ID	M	Must equal '309'. Code uniquely identifying a Transaction Set.
ST02: Transaction Set Control Number	4 / 9	AN	M	Must equal '0001'. Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set.

Ref. Des./Data Element Nam	Attributes			DESCRIPTION - X12
	min/max	Class	Status	
Control Segment: M10(Manifest Identifying Information) *** Mandatory ***				
Control Segment Identifier	3 / 3	ID	M	Must always equal M10.
M1001: Standard Carrier Alpha Code (SCAC)	2 / 4	ID	M	SCAC of Importing Carrier.
M1002: Transportation Method/Type Code	1 / 2	ID	M	Code specifying the method or type of transportation for the shipment. (J = Motor, O = Ocean, PL = Pipeline, R = Rail)
M1003: Country Code	2 / 3	ID	M	The code identifying the country in which the carrier is domiciled. Country of origin must be "CA", "MX", or "US".
M1004: Vessel Code				Not Used!
M1005: Conveyance Company Name	2 / 23	AN	M	Name of Carrier Company.
M1006: Flight/Voyage/Trip Number	2 / 10	AN	M	Identifying designator for the particular flight or voyage/trip on which the cargo travels. Must contain the Julian Date (YYDDD) if a land border crossing.
M1007: Reference Number	1 / 6	AN	O	Unique carrier number which will be returned from Customs. If used, Customs can only accept a maximum 6-digit Numeric Manifest Sequence Number.
M1008: Quantity	1 / 1	R	M	For CAFES must equal 1. Total Number of Bills of Lading for the manifest. (Maximum 1 digit)
M1009: Manifest Type Code	1 / 1	ID	M	Code identifying type of manifest transmitted between carriers and Customs. Must equal W.
M1010: Vessel Code Qualifier				Not Used!
M1011: Yes/No Condition or Response Code	1 / 1	ID	M	For CAFES must equal 'Y'. Indicates if the transmission involves an in-bond participant. A "Y" indicates it does. A "N" indicates it does not.
M1012: Reference Number	1 / 18	AN	O	The unique identification number of the manifest described by the originator of the manifest. (Limited to 1/35 for rail usage).

Ref. Des./Data Element Nam		<u>Attributes</u>			DESCRIPTION - X12
		min/max	Class	Status	
Control Segment:	P4(Port Information) *** Mandatory ***				
Control Segment Identifier		2 / 2	ID	M	Must always equal P4.
P401: Location Identifier		1 / 4	AN	M	First U.S. port of arrival, use Census Schedule D Code.
P402: Date		8 / 8	DT	M	Date expressed as CCYYMMDD.
P403: Quantity		1 / 1	R	M	For CAFES must equal '1'. Number of bills of lading discharged at P401. Should equal M1008.
Control Segment:	LX(Assigned Number) *** Mandatory ***				
Control Segment Identifier		2 / 2	ID	M	Must always equal LX.
LX01: Assigned Number		1 / 1	N0	M	Must always equal 1 (one) as only one transaction per Bar Code. Number assigned for differentiation within a transaction set.

Ref. Des./Data Element Nam	Attributes			DESCRIPTION - X12
	min/max	Class	Status	
Control Segment: M11(Manifest Bill of Lading Details) *** Mandatory ***				
Control Segment Identifier	3 / 3	ID	M	Must always equal M11.
M1101: Bill of Lading/Waybill Number	1 / 12	AN	M	The unique bill of lading number. The maximum length shall be 12.
M1102: Location Identifier	1 / 5	AN	M	Census Schedule K code representing the foreign place where cargo was laden on the conveyance.
M1103: Quantity	1 / 8	R	M	The total number of pieces on a bill of lading using the smallest package unit (maximum 8 digits).
M1104: Manifest Unit Code	1 / 3	ID	M	A code representing the manifest unit of measure.
M1105: Weight	1 / 10	R	M	Numeric value of weight. (Limited to 8 characters for Rail Transactions).
M1106: Weight Unit Code	1 / 1	ID	M	Code specifying the weight unit (L=Pounds, S=Short Tons, T=Long Tons, E=Metric Tons, K=Kilograms, M=Measurement Tons).
M1107: Volume	1 / 8	R	X	A value representing the shipment volume.
M1108: Volume Unit Qualifier	1 / 1	ID	X	A value representing the unit of volume.
M1109: Bill of Lading Type Code	2 / 2	ID	M	Code indicating a bill of lading is master in-bond. Must equal 10.
M1110: Place of Receipt by Pre-carrier	1 / 17	AN	O	The city or country in which the carrier took possession of the cargo.
M1111: BOL/Waybill Number				Not Used!
M1112: Standard Carrier Alpha Code (SCAC)	2 / 4	ID	M	The unique bill of lading issuer code (Carrier issuing the 309).
M1113: Standard Carrier Alpha Code (SCAC)				Not Used!
M1114: Standard Carrier Alpha Code (SCAC)	2 / 4	ID	X	The code of the secondary party nominated to receive Bill of Lading status notifications.
M1115: Standard Carrier Alpha Code (SCAC)	2 / 4	ID	X	The code of the 2nd secondary party nominated to receive Bill of Lading status notifications.

Ref. Des./Data Element Nam	Attributes			DESCRIPTION - X12
	min/max	Class	Status	
Control Segment: N9(Reference Identification) *** Optional (Can occur 2 times) ***				
Control Segment Identifier #1	2 / 2	ID	M	Must always equal N9.
N901: Reference Number Qualifier #1	2 / 3	ID	M	See CATAIR for list of valid codes. If code is less than three (3) positions, it is left justified. If "FEN" is used, then the 15 digit Mexican entry number (Pedimento) is required.
N902: Reference Number #1	1 / 30	AN	X	Reference number must correspond to code in CATAIR.
Control Segment Identifier #2	2 / 2	ID	M	Must always equal N9.
N901: Reference Number Qualifier #2	2 / 3	ID	M	See CATAIR for list of valid codes. If code is less than three (3) positions, it is left justified. If "FEN" is used, then the 15 digit Mexican entry number (Pedimento) is required.
N902: Reference Number #2	1 / 30	AN	X	Reference number must correspond to code in CATAIR.
Control Segment: N1(Name - Shipper) *** Mandatory ***				
Control Segment Identifier	2 / 2	ID	M	Must always equal N1.
N101: Shipper Entity Identifier Code	2 / 3	ID	M	Must always equal SH. Code identifying an organizational entity, a physical location, or an individual. (SH=Shipper; CN = Consignee, N1=Notify Party)
N102: Name	1 / 30	AN	M	Free-form name.
Control Segment: N3(Address Information - Shipper) *** Mandatory ***				
Control Segment Identifier	2 / 2	ID	M	Must always equal N3.
N301: Address Information	1 / 30	AN	M	Address Information. (limited to 30 characters for Rail transactions)
Control Segment: N4(Geographic Location - Shipper) *** Optional ***				
Control Segment Identifier	2 / 2	ID	M	Must always equal N4.
N401: City Name	2 / 19	AN	O	Free-form text for city name. (Maximum 19 characters)
N402: State or Province Code	2 / 2	ID	X	Code (Standard State/Province) as defined by appropriate government agency.
N403: Postal Code	3 / 10	ID	O	Code defining international postal zone code excluding punctuation and blanks.
N404: Country Code	2 / 3	ID	X	Code identifying the country.

Ref. Des./Data Element Nam	Attributes			DESCRIPTION - X12
	min/max	Class	Status	
Control Segment: N1(Name - Consignee) *** Mandatory ***				
Control Segment Identifier	2 / 2	ID	M	Must always equal N1.
N101: Consignee Entity Identifier Code	2 / 3	ID	M	Must always equal CN. Code identifying an organizational entity, a physical location, or an individual. (SH=Shipper, CN = Consignee, N1=Notify Party)
N102: Name	1 / 30	AN	M	Free-form name.
Control Segment: N3(Address Information - Consignee) *** Mandatory ***				
Control Segment Identifier	2 / 2	ID	M	Must always equal N3.
N301: Address Information	1 / 30	AN	M	Address Information (limited to 30 characters for Rail transactions)
Control Segment: N4(Geographic Location - Consignee) *** Optional ***				
Control Segment Identifier	2 / 2	ID	M	Must always equal N4.
N401: City Name	2 / 19	AN	O	Free-form text for city name. (Maximum 19 characters)
N402: State or Province Code	2 / 2	ID	X	Code (Standard State/Province) as defined by appropriate government agency.
N403: Postal Code	3 / 10	ID	O	Code defining international postal zone code excluding punctuation and blanks.
N404: Country Code	2 / 3	ID	X	Code identifying the country.
Control Segment: N1(Name - Notify Party) *** Optional ***				
Control Segment Identifier	2 / 2	ID	M	Must always equal N1.
N101: Notify Party No. 1 Entity Identifier Code	2 / 3	ID	M	Must always equal N1. Code identifying an organizational entity, a physical location, or an individual. (SH=Shipper, CN = Consignee, N1=Notify Party)
N102: Name	1 / 30	AN	M	Free-form name.
Control Segment: N3(Address Information - Notify Party) *** Conditional - Mandatory if N1 used. ***				
Control Segment Identifier	2 / 2	ID	M	Must always equal N3.
N301: Address Information	1 / 30	AN	M	Address Information (limited to 30 characters for Rail transactions)

Ref. Des./Data Element Nam	Attributes			DESCRIPTION - X12
	min/max	Class	Status	
Control Segment:	N4(Geographic Location - Notify Party) *** Optional - Requires N1 if used. ***			
Control Segment Identifier	2 / 2	ID	M	Must always equal N4.
N401: City Name	2 / 19	AN	O	Free-form text for city name. (Maximum 19 characters)
N402: State or Province Code	2 / 2	ID	X	Code (Standard State/Province) as defined by appropriate government agency.
N403: Postal Code	3 / 10	ID	O	Code defining international postal zone code excluding punctuation and blanks.
N404: Country Code	2 / 3	ID	X	Code identifying the country.
Control Segment:	N1(Name - Customs Broker) *** Optional ***			
Control Segment Identifier	2 / 2	ID	M	Must always equal N1.
N101: Customs Broker Entity Identifier Code	2 / 3	ID	M	Must always equal CB. Code identifying an organizational entity, a physical location, or an individual. (SH=Shipper, CN = Consignee, N1=Notify Party)
N102: Name	1 / 30	AN	M	Free-form name of the broker.
N103: Identification Code Qualifier	1 / 2	ID	M	Must equal 17. Code designating the system/method used for Identification Code (67).
N104: Identification Code	2 / 9	AN	M	Must contain the ABI Routing code.

Ref. Des./Data Element Nam	Attributes			DESCRIPTION - X12
	min/max	Class	Status	
Control Segment: M12(In-bond Identifying Information) *** Mandatory ***				
Control Segment Identifier	3 / 3	ID	M	Must always equal M12.
M1201: Entry Type Code	2 / 2	ID	M	Code identifying the type of In-bond entry.
M1202: Entry Number				Not Used!
M1203: Location Identifier	1 / 4	AN	M	A 4-digit numeric Census Schedule D Code identifying a U.S. port.
M1204: Location Identifier	1 / 5	AN	C	A 5-digit numeric Census Schedule K Code identifying a foreign port. It is the foreign port of destination if M1201 is 62 or 63.
M1205: Customs Shipment Value	2 / 8	AN	M	Customs value in whole dollars.
M1206: In-bond Control Number	9 / 9	N	M	A Customs assigned 9-digit In-bond control number.
M1207: SCAC				Not Used!
M1208: Reference Number Qualifier	2 / 2	ID	M	Code qualifying the Reference Identifier. Must equal BI.
M1209: Reference Number	1 / 12	AN	M	Identification of bonded carrier. Use IRS Number or Importer Number and include embedded hyphens.
M1210: Transportation Method/Type Code	1 / 2	ID	X	Code specifying the method of transportation for the export carrier. If used, must equal S.
M1211: Vessel Name	2 / 23	AN	X	Name of ship. If M1210 is filled, must have M1211.
M1212: FDA BTA Indicator	1 / 1	AN	O	Values 'Y', 'N', ''
Control Segment: VID (Vehicle ID) *** Mandatory ***				
Control Segment Identifier	3 / 3	ID	M	Must always equal VID.
VID01: Equipment Description Code	2 / 2	ID	M	Code identifying type of equipment used for shipment.
VID02: Equipment Initial	1 / 4	AN	O	Prefix or alphabetic part of an equipment unit's identifying number.
VID03: Equipment Number	1 / 10	AN	M	Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred).
VID04: Seal Number	2 / 15	AN	O	Unique number on seal used to close a shipment.
VID05: Seal Number	2 / 15	AN	O	Unique number on seal used to close a shipment

Ref. Des./Data Element Nam	Attributes			DESCRIPTION - X12
	min/max	Class	Status	
Control Segment: N10(Quantity and Description - Can appear twice; First Mandatory; Second Optional) *** Mandatory **				
Control Segment Identifier	3 / 3	ID	M	Must always equal N10.
N1001: Quantity	1 / 10	R	M	Numeric value of quantity.
N1002: Free-Form Description	1 / 45	AN	M	Free-form descriptive text. Used for commodity description.
N1003: Marks and Numbers	1 / 45	AN	M	Limited to 45 characters. Pass 'NO MARKS OR NUMBERS' on the first N10. Each subsequent N10 should contain a '.' to meet the mandatory requirement.
N1004: Commodity Code Qualifier	1 / 1	ID	X	Code identifying the commodity coding system used for Commodity Code. Mandatory if M1201 is 62 or 63 for export.
N1005: Commodity Code	6 / 11	AN	X	Code describing a commodity or group of commodities. Mandatory if M1201 is 62 or 63 for export. (6 positions minimum)
N1006: Customs Shipment Value	2 / 8	AN	X	Customs value in whole dollars. Mandatory if M1201 is 62 or 63 for export.
N1007: Weight Unit Code	1 / 1	ID	X	Code specifying the weight. Mandatory if M1201 is 62 or 63 for export.
N1008: Weight	1 / 10	R	X	Numeric value of weight. (Limited to 8 characters for Rail Transactions.) Mandatory if M1201 is 62 or 63 for export.
Control Segment Identifier	3 / 3	ID	M	Must always equal N10.
N1001: Quantity	1 / 10	R	C	Mandatory if describing new commodity. Numeric value of quantity.
N1002: Free-Form Description	1 / 45	AN	O	Free-form descriptive text. Used for commodity description.
N1003: Marks and Numbers	1 / 45	AN	M	Limited to 45 characters. Pass 'NO MARKS OR NUMBERS' on the first N10. Each subsequent N10 should contain a '.' to meet the mandatory requirement.
N1004: Commodity Code Qualifier	1 / 1	ID	X	Code identifying the commodity coding system used for Commodity Code. Mandatory if M1201 is 62 or 63 for export.
N1005: Commodity Code	6 / 11	AN	X	Code describing a commodity or group of commodities. Mandatory if M1201 is 62 or 63 for export. (6 positions minimum)
N1006: Customs Shipment Value	2 / 8	AN	X	Customs value in whole dollars. Mandatory if M1201 is 62 or 63 for export.

Ref. Des./Data Element Nam	Attributes			DESCRIPTION - X12
	min/max	Class	Status	
N1007: Weight Unit Code	1 / 1	ID	X	Code specifying the weight. Mandatory if M1201 is 62 or 63 for export.
N1008: Weight	1 / 10	R	X	Numeric value of weight. (Limited to 8 characters for Rail Transactions.) Mandatory if M1201 is 62 or 63 for export.

Control Segment: H1(Hazardous Materials) * Optional *****

Control Segment Identifier	2 / 2	ID	M	Must always equal H1.
H101: Hazardous Material Code	4 / 10	AN	M	UN/NA Code: Code relating to hazardous material code qualifier for regulated hazardous materials.
H102: Hazardous Material Class Code	1 / 4	AN	O	Codes defined in the Int'l Maritime Dangerous Goods (IMDG) code.
H103: Hazardous Material Code Qualifier	1 / 1	ID	O	A code that describes the material class.
H104: Hazardous Material Description	2 / 30	AN	O	Material name, special instructions, and phone number if any. First 30 positions of the Proper Shipping Name, next 30 positions will be placed in H201.
H105: Hazardous Material Contact	1 / 24	AN	O	Free-form name and phone number for the HAZMAT contact. Refer to CAMIR (INPUT B01 Record Layout).
H106: Hazardous Material Page	1 / 6	AN	O	The page number in the IMDG in which this material appears.
H107: Flashpoint Temperature	1 / 3	N	X	The lowest temperature for hazardous materials.
H108: Unit/Basis Measurement Code	2 / 2	ID	X	Must equal 'CE' for degrees celsius/centigrade.
H109: Packing Group Code	1 / 3	ID	O	Code indicating degree of danger in terms of Roman Numeral I, II, or III.

Control Segment: H2(Additional Hazardous Material Description) * Conditional - Mandatory if H1 used. *****

Control Segment Identifier	2 / 2	ID	M	Must always equal H2.
H201: Hazardous Material Description	2 / 30	AN	M	This is a continuation of the HAZMAT description in the H1 control segment.
H202: Hazardous Material Class	1 / 30	AN	O	Material name, special instructions, and phone number if any. Second 30 positions of the Proper Shipping Name, first 30 positions will be placed in H101.

Ref. Des./Data Element Nam	Attributes			DESCRIPTION - X12
	min/max	Class	Status	
Control Segment: SE (Transaction Set Trailer) *** Mandatory ***				
Control Segment Identifier	2 / 2	ID	M	Must always equal SE.
SE01: Number of Included Segments	1 / 10	N0	M	Total number of segments included in a transaction set (from ST to SE) including ST and SE segments.
SE02: Transaction Set Control Number	4 / 9	AN	M	***** Same as ST02 Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set.
Control Segment: GE (Functional Group Trailer) *** Mandatory ***				
Control Segment Identifier	2 / 2	ID	M	Must always equal GE.
GE01: Number of Transaction Sets Included	1 / 1	N0	M	***** Must always equal 1 (one). Total Number of Transactions Sets included in the functional group or interchange (transmission) group terminated by the trailer containing this data element.
GE02: Group Control Number	1 / 9	N0	M	***** Same as GS06. Assigned number originated and maintained by the sender.
Control Segment: IEA (Interchange Control Trailer) *** Mandatory ***				
Control Segment Identifier	3 / 3	ID	M	Must always equal IEA.
IEA01: Number of Included Functional Groups	1 / 1	N0	M	***** Must always equal 1 (one). A count of the number of functional groups included in a transmission.
IEA02: Interchange Control Number	9 / 9	N0	M	***** Same as ISA013.

Ref. Des./Data Element Nam	<u>Attributes</u>		DESCRIPTION - X12
	min/max	Class Status	
Maximum Lengths of Used Data Element	1332		
Number of Data Elements Included	136		(Number of asterisk separators to add.)
Number of Control Segments	38		(Number of "N/L" indicators to add.)
CAFES Indicator Code and Version (&vv) Length	3		
Number ANSI Overhead Characters	8		
Maximum Length of Bar Code	1517		